

AGGREGATE SYSTEM RESOURCE ANALYSIS INCLUDING CORRELATION MATRIX AND METRIC-BASED ANALYSIS

ABSTRACT OF THE DISCLOSURE

[43] A system for gathering data for purposes of analyzing a network. The data is gathered based on values that are passed from node-to-node within processing devices, such as servers, in a network. The values are generated from characteristics obtained from measuring device performance and resource utilization. Values are passed peer-to-peer and successively combined with values at each receiving system so that, ultimately, a value is obtained that reflects the operation of a group of devices. A correlation matrix is maintained to indicate discrepancies in value meanings from different devices. The correlation matrix is used to more accurately combine values to achieve meaningful composite values.

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